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 Db 228 GCAACGAAAAAGGACAAAGAAAAAGAACACAGAGAGAGAGCTTCGCTAGTGGCTGCT 287  
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Db 1307 TATCAGATGTAATTTCCCAATGATTTG 1334  
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RESULT 3  
 LOCUS BOVISTA 1828 bp mRNA MAN 15-DEC-1989  
 DEFINITION Bovine alpha 1-3 galactosyltransferase mRNA completed cds.  
 ACCESSION J04989  
 NID 9163123  
 KEYWORDS alpha-1,3-galactosyltransferase.  
 SOURCE Bovine thymus, cDNA to mRNA, clone 31A.  
 ORGANISM Bos taurus  
 Eukaryotes; mitochondrial eukaryotes; Metazoa; Chordata; Vertebrata; Ruminantia; Ruminantia; Pecora; Bovidae; Bovidae; Bovinae; Bos.  
 1 (bases 1 to 1828)  
 Joziasse, D.H., Shaper, J.H., Van den Eljnden, D.H., Van Tunen, A.J. and Shaper, N.L.  
 Bovine alpha 1-3-galactosyltransferase: isolation and characterization of a cDNA clone; identification of homologous sequences in human genomic DNA  
 J. Biol. Chem. 264, 14290-14297 (1989)  
 MEDLINE 89340543  
 COMMENT Draft entry and computer-readable sequence for [1] kindly provided by D.H. Joziasse, 15-AUG-1989.

FEATURES  
 source  
 1 1828  
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 /db\_xref="taxon:9913"  
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 469..1575  
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BASE COUNT 493 a 450 c 479 g 406 t

ORIGIN 144 bp upstream of Bgl I site.

Query Match 67.6%; Score 95; DB 20; Length 1828;  
 Best Local Similarity 87.9%; Pred. No. 0.00e+00;  
 Matches 1247; Conservative 0; Mismatches 148; Indels 24; Gaps 15;

Db 375 AGCCCTGCTCTCTGCGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 434  
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 Db 435 TAG 494  
 Qy 57 TGGGGGAG 116  
 Db 495 GTCAATGCTGCTGCTCAACTGATGTTGTTGGGAATATATCCACAGCCGAGA 554  
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 Db 555 AGGCTCTTGTGGAATTAACCATCAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 614  
 Qy 177 AGGCTCTTGTGGAATTAACCATCAAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 233  
 Db 615 GAAGGCTGTGGCTTCGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 668  
 Qy 234 GAAGGCTGTGGCTTCGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 293

RESULT 2  
ID US-08-378-617-7 STANDARD: DNA; UNC; 1412 BP.  
AC xxxxxx  
JT  
Sequence 7, Application US/08378617  
Sequence 7, Application US/08378617  
GENERAL INFORMATION:  
APPLICANT: d'Apice, Anthony J.F.  
APPLICANT: Pearse, Martin J.  
APPLICANT: Robins, Allan J.  
APPLICANT: Crawford, Robert J.  
APPLICANT: Rathjen, Peter D.  
TITLE OF INVENTION: MATERIALS AND METHODS FOR MANAGEMENT OF  
HYPERACUTE REJECTION IN HUMAN XENOTRANSPLANTATION  
NUMBER OF SEQUENCES: 3  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Fish & Richardson  
STREET: 120 South Sixth Street, Suite 2500  
CITY: Minneapolis  
STATE: MN  
COUNTRY: USA  
ZIP: 55402  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: PatentIn Release #1.0, Version #1.30B  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/378,617  
FILING DATE: 26-JAN-1995  
CLASSIFICATION: 435



QY	361	TGGTTTAATTCAGAAAGAAAGGCGGAGGAGTGTGTGACATTAACCAATGGAAGGCTCCAGTG	420
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QY	601	GATGATATCTCCAGAGATGCGCTTTGATAGAGCTGAGGCGCTGCGCTTCTTAAGTGTG	660
Db	661	GAGATCAAGTCCGAGAGAGGTGTGGCAAGACATCAGATGATGCGCATGAAGACCATCGGG	720
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QY	841	GCCCTGTGTATACAGAGCAGATCTCTGACAGAGTTACCTACAGAGAGTGTGAGAGTGTGTG	900
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QY	901	GCTTACATTCGCTTGTGGCAGAGGAGATTTTATACACAGAGCATTTTGTGGGAGACA	960
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QY	1021	AATGACATGAAAGCGAGCTGGCAGATGATGAAAGCATCTAACAAGTATATATCTCAG	1080
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QY	1261	TCCTCAGAGAGTAGCACTTAATTTAATCTTTAAAAAAATCTACAGAAATACCAAC	1320
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QY	1381	GTTGTAATCAGATGTAATTTCCAGTGATTTG	1412